

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 F16C19/50 F16C33/58

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 F16C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)  
EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 319 852 A (NIPPON THOMPSON CO., LTD) 18 June 2003 (2003-06-18)  paragraph '0021! - paragraph '0029!; figures 1-3	1,2,4-6, 8,13,17, 18
X	US 4 884 902 A (KISPERT ET AL) 5 December 1989 (1989-12-05)  column 2, line 29 - line 64; figures 1,2	1,2,4,6, 7,14,15, 17,18
Y		3
X	DE 19 09 845 U (DUERKOPPWERKE AKTIENGESELLSCHAFT) 11 February 1965 (1965-02-11) page 4, paragraph 4 - page 5, paragraph 3; figures 1,2	1,2,4,5, 13
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
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- \* & \* document member of the same patent family

Date of the actual completion of the international search

21 April 2005

Date of mailing of the international search report

04/05/2005

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 320 934 A (ROECK ET AL) 23 March 1982 (1982-03-23) column 2, line 37 - column 3, line 17; figure 8 -----	1,2,4,6, 7,13
X	FR 911 385 A (M. VOISIN) 5 July 1946 (1946-07-05) page 1, line 43 - page 2, line 19; figures -----	1,2,4,6, 7,14,16
Y	US 3 857 618 A (HAGEN M,US ET AL) 31 December 1974 (1974-12-31) column 6, line 1 - column 7, line 10; figure 11 -----	3

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US 4884902	A	05-12-1989	DE 3737386 A1	18-05-1989
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